

1/45

6734293

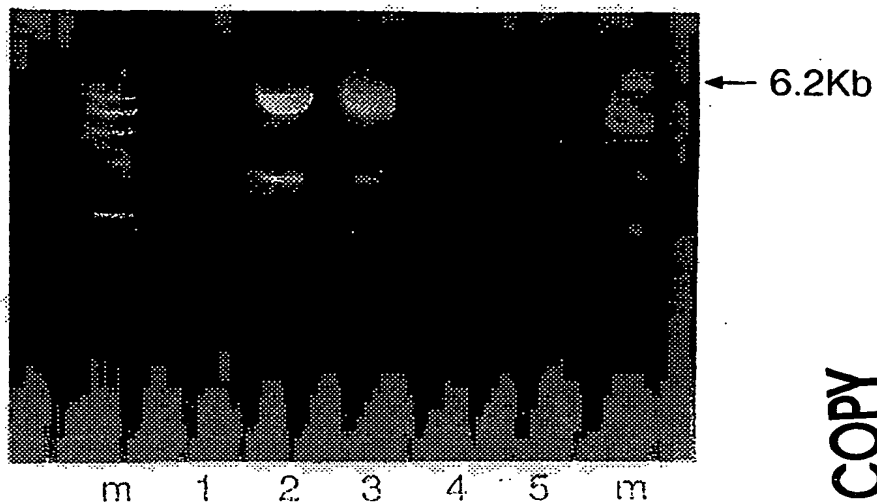


FIG. 1

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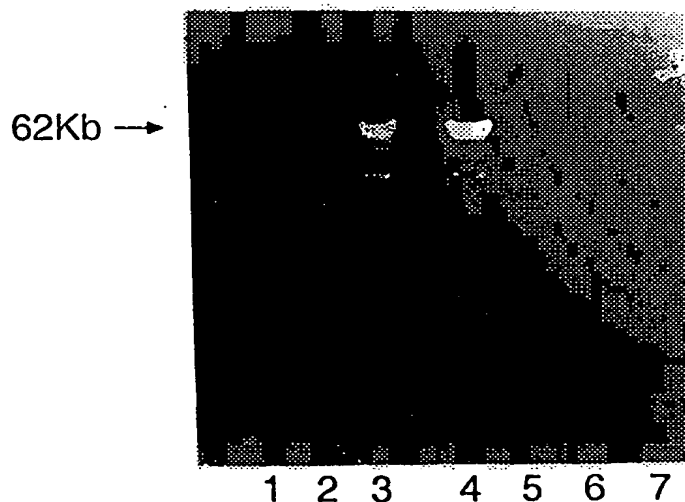


FIG. 2

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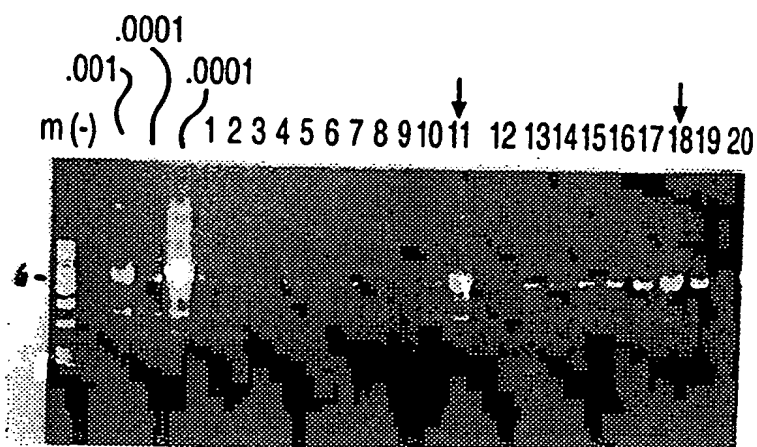


FIG. 3

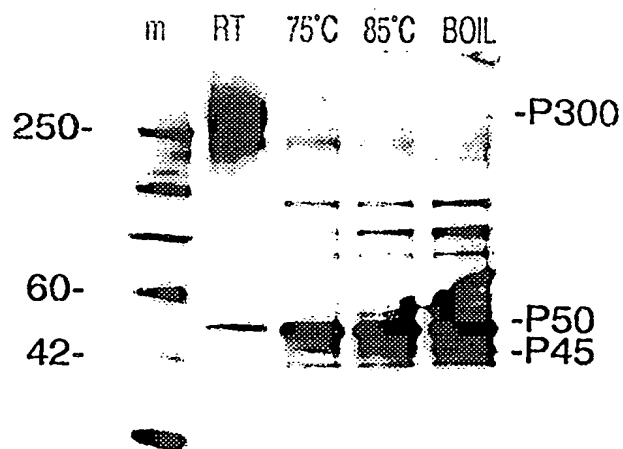
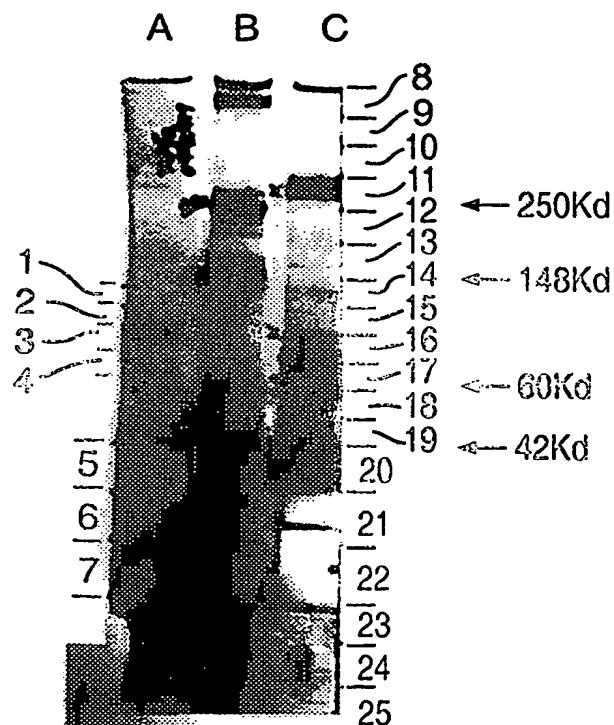
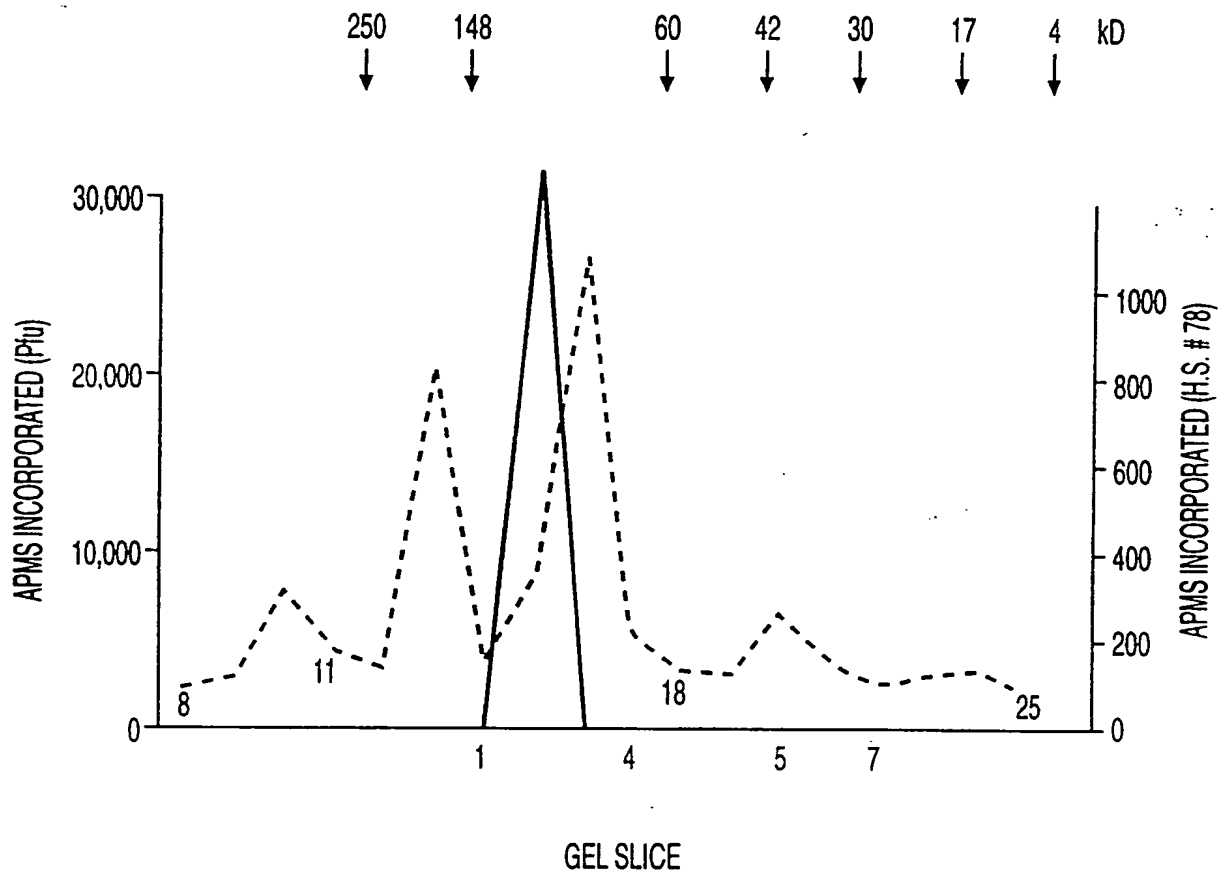


FIG. 7

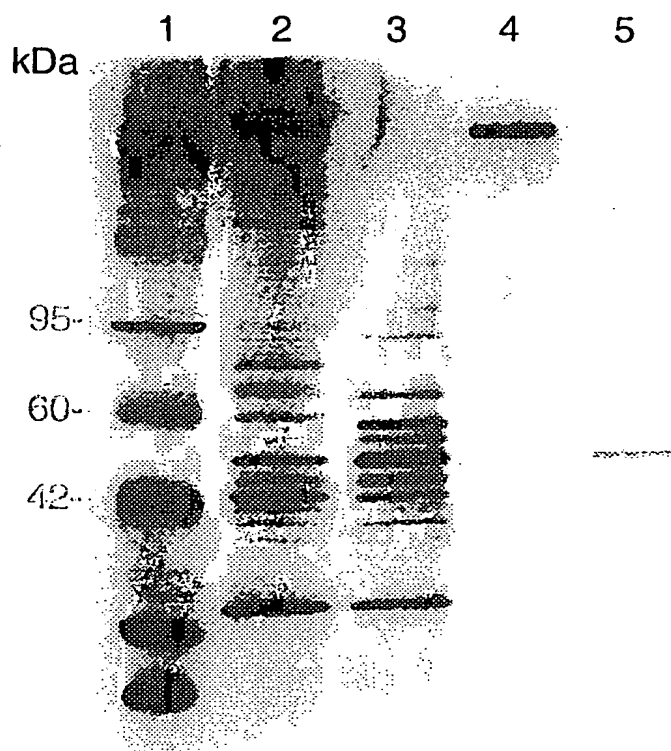
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**FIG. 4**

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**FIG. 5**

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**FIG. 6**

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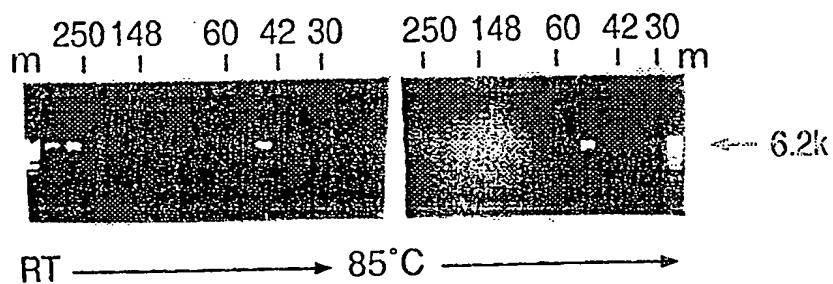


FIG. 8

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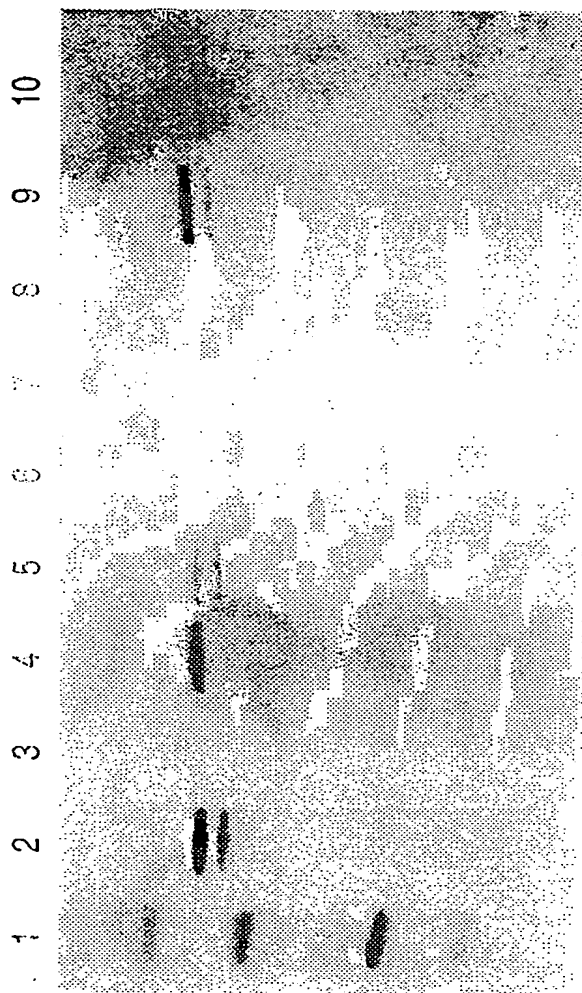


FIG. 9

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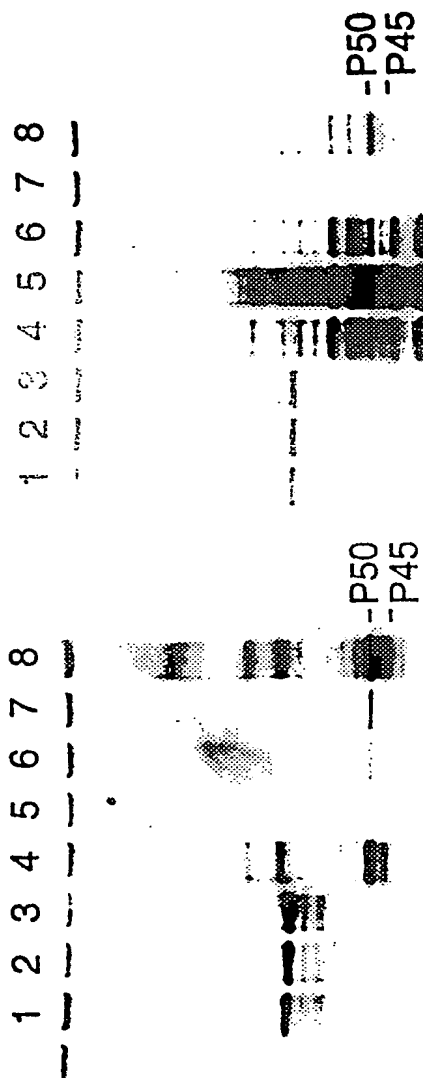


FIG. 10

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FIG. 11A

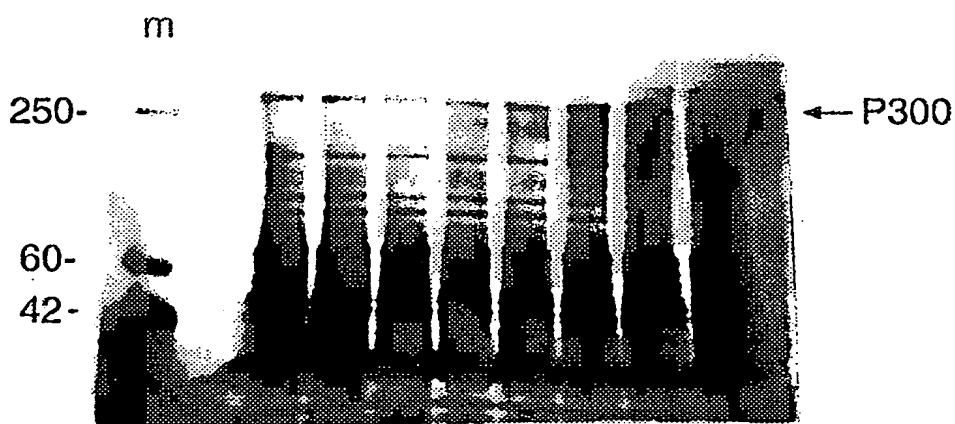


FIG. 11B

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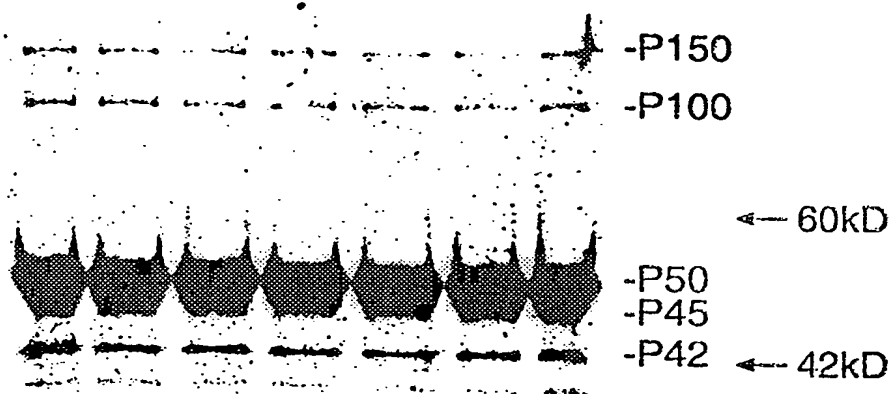


FIG. 12

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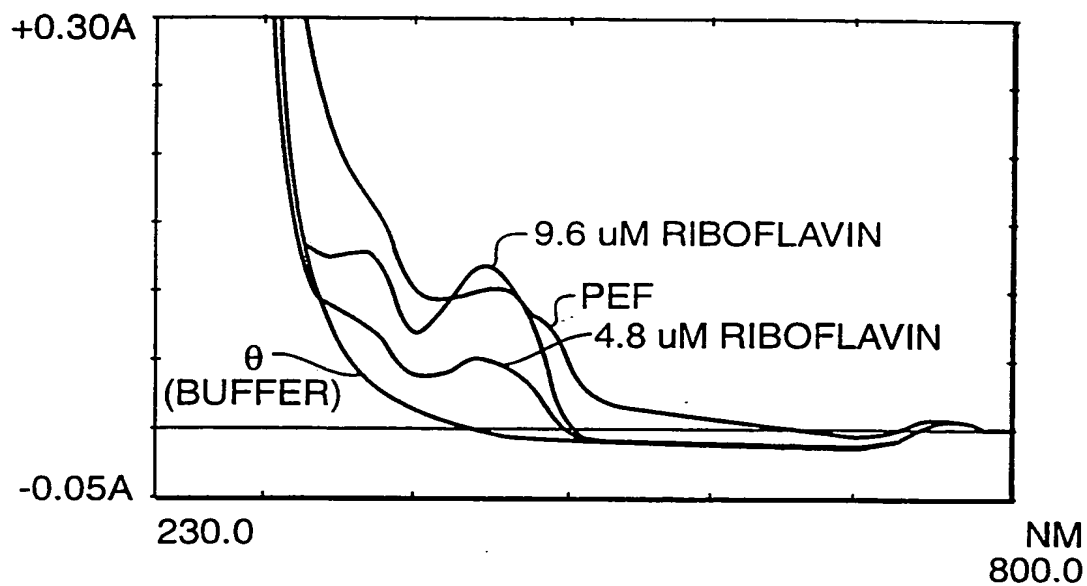
**FIG. 13**

FIG. 14

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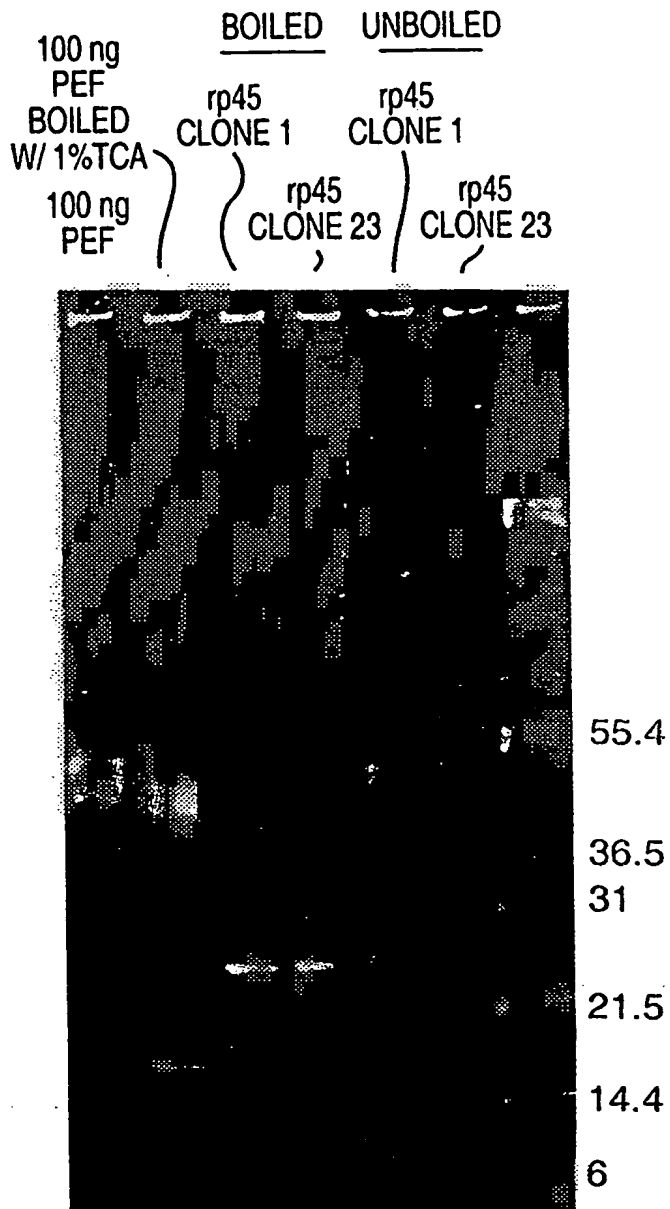
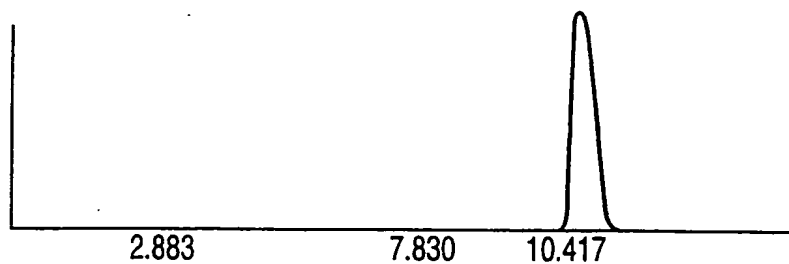
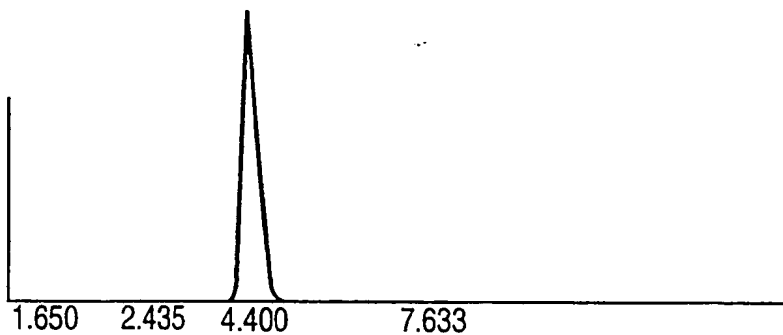
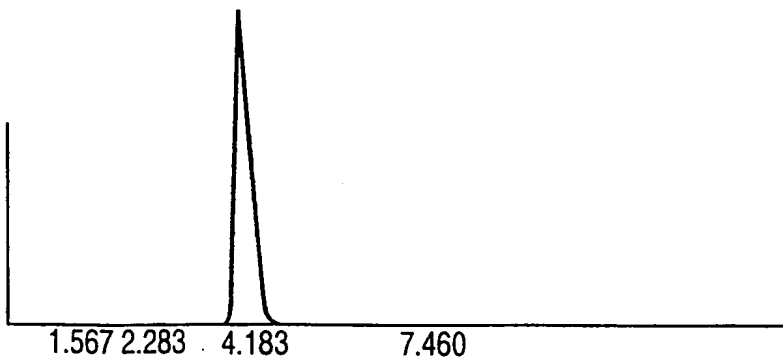


FIG. 15

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**FIG. 16A****FIG. 16B****FIG. 16C**

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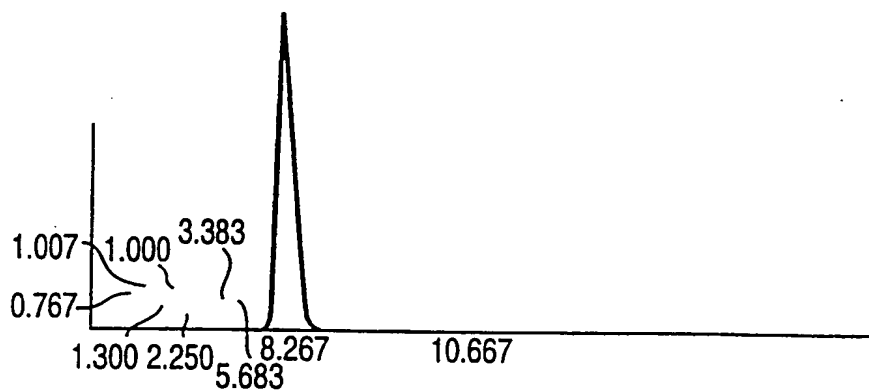


FIG. 16D

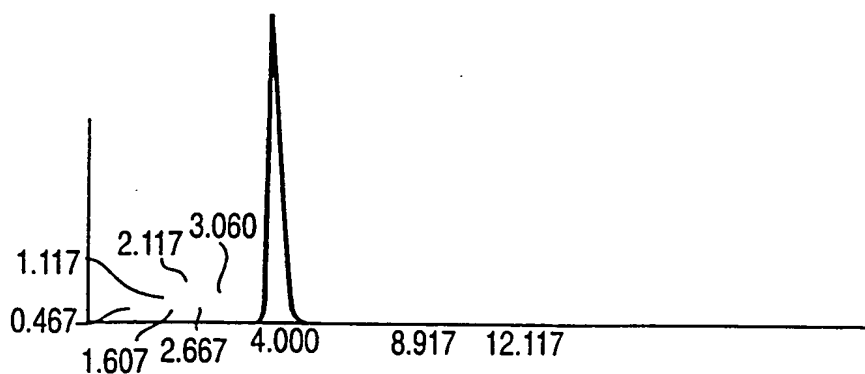
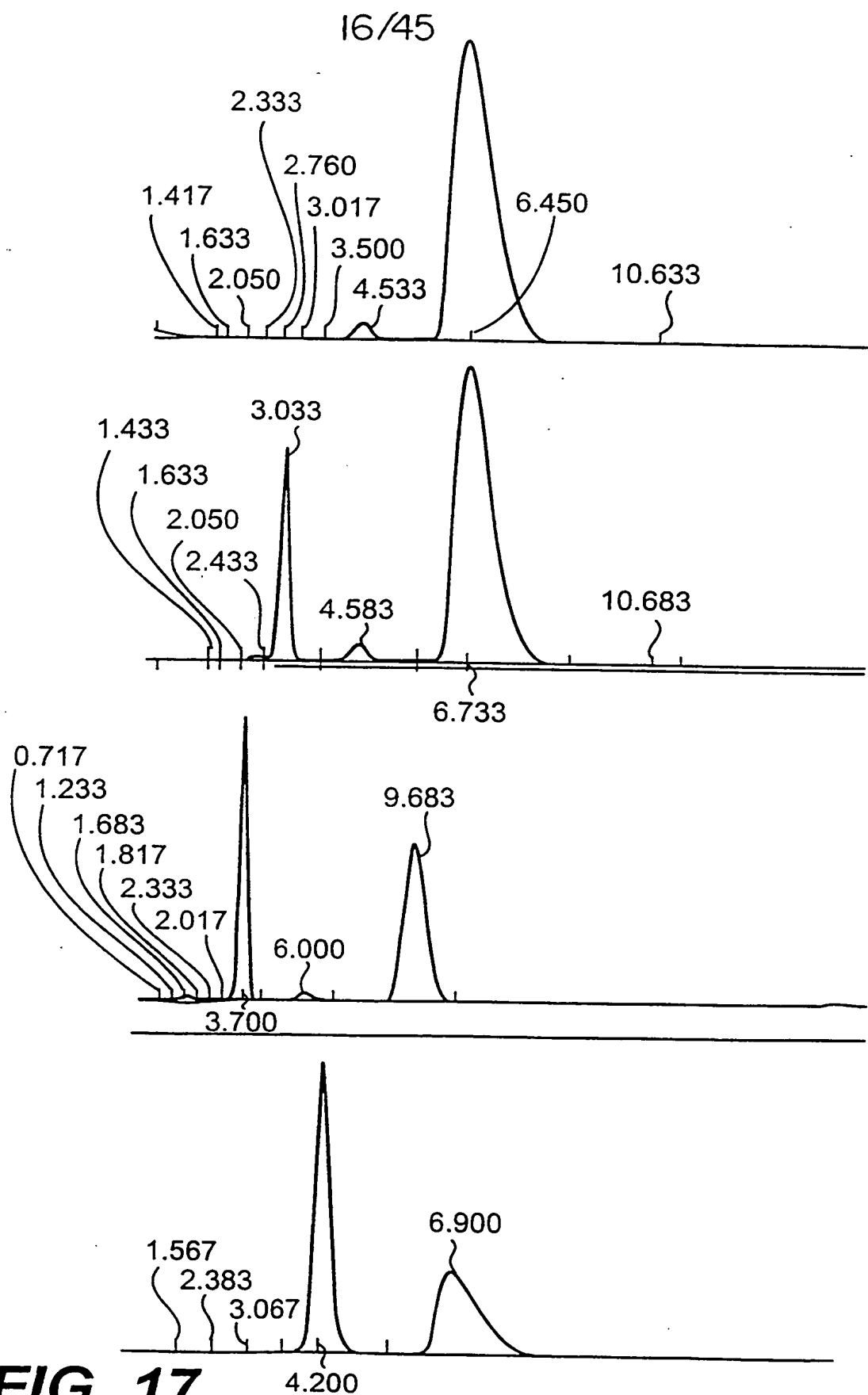
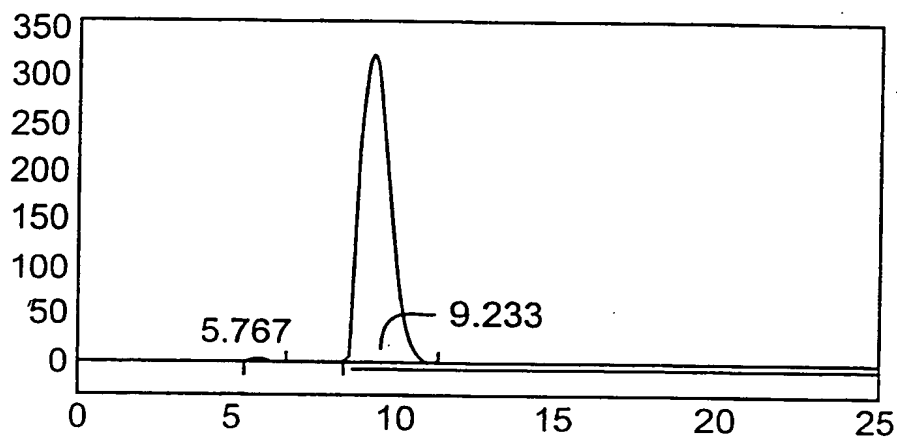
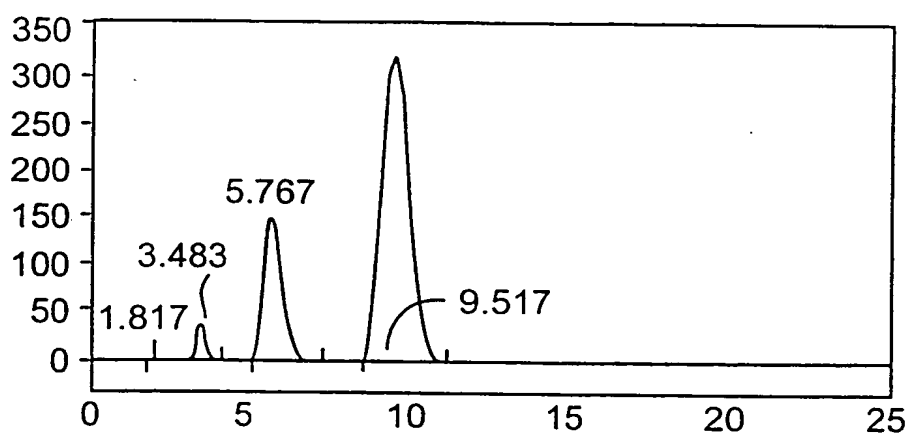


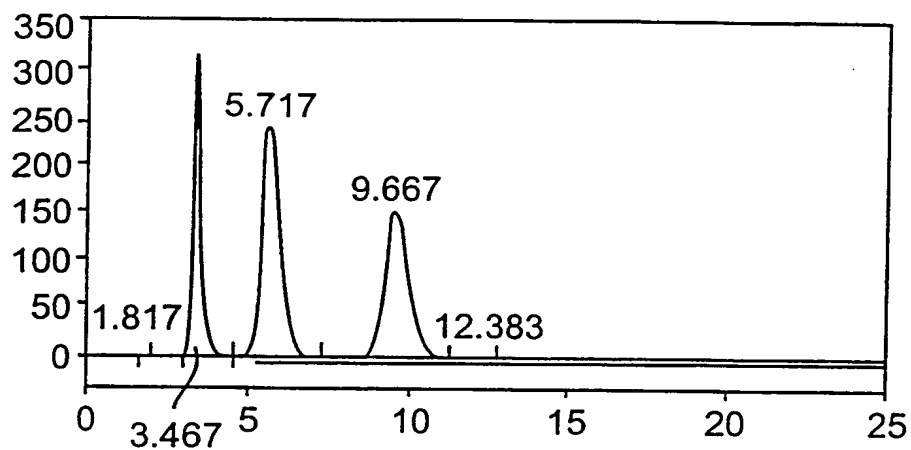
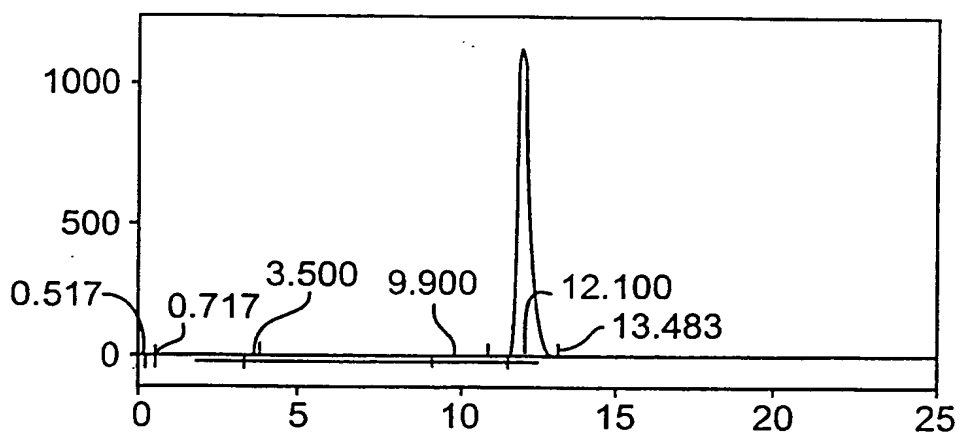
FIG. 16E

**FIG. 17**

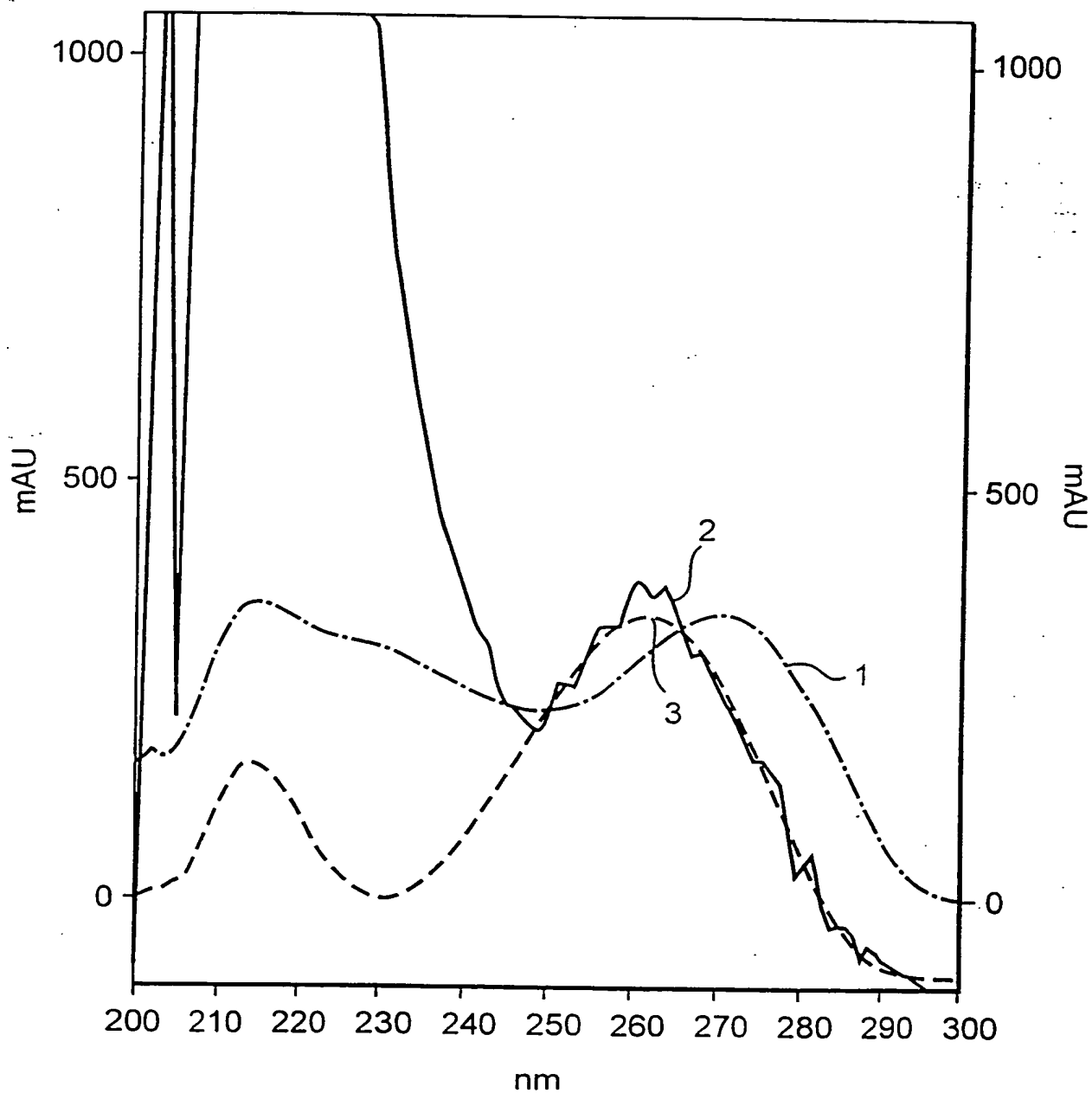
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**FIG. 18A****FIG. 18B**

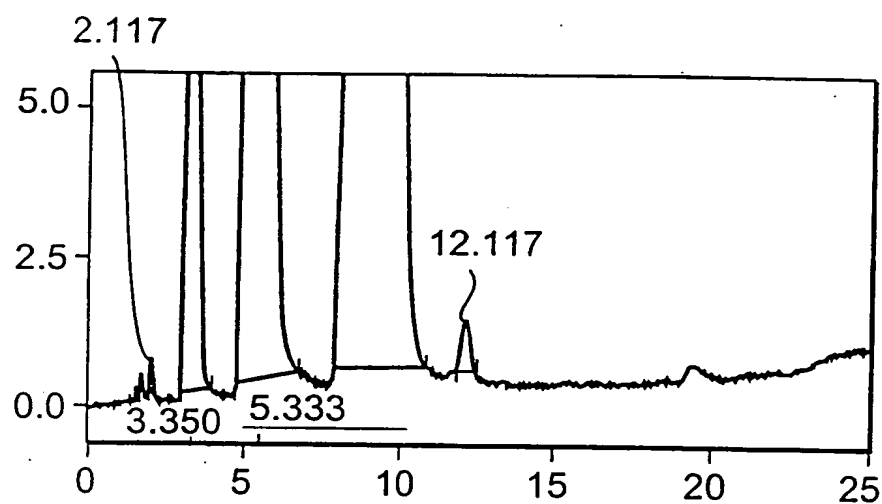
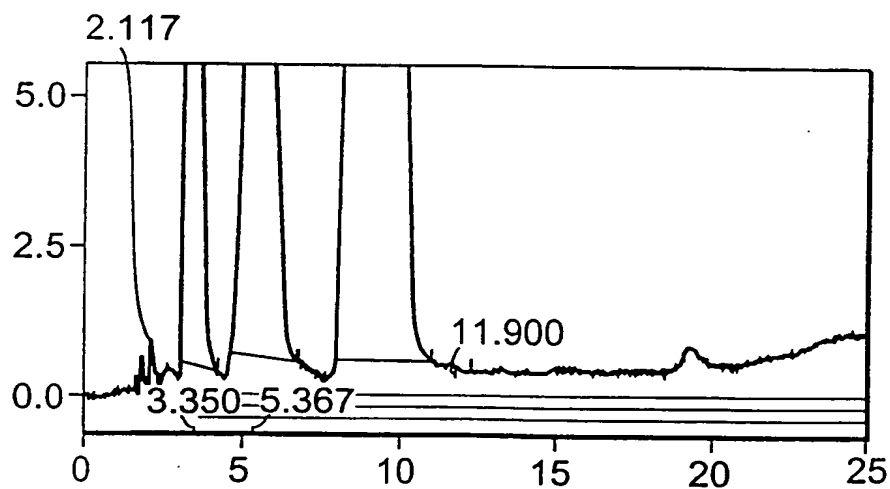
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**FIG. 18C****FIG. 18D**

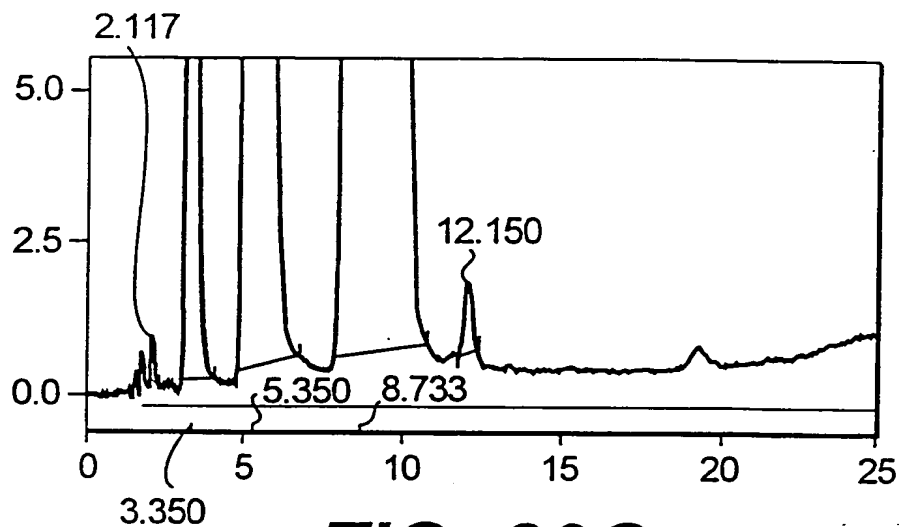
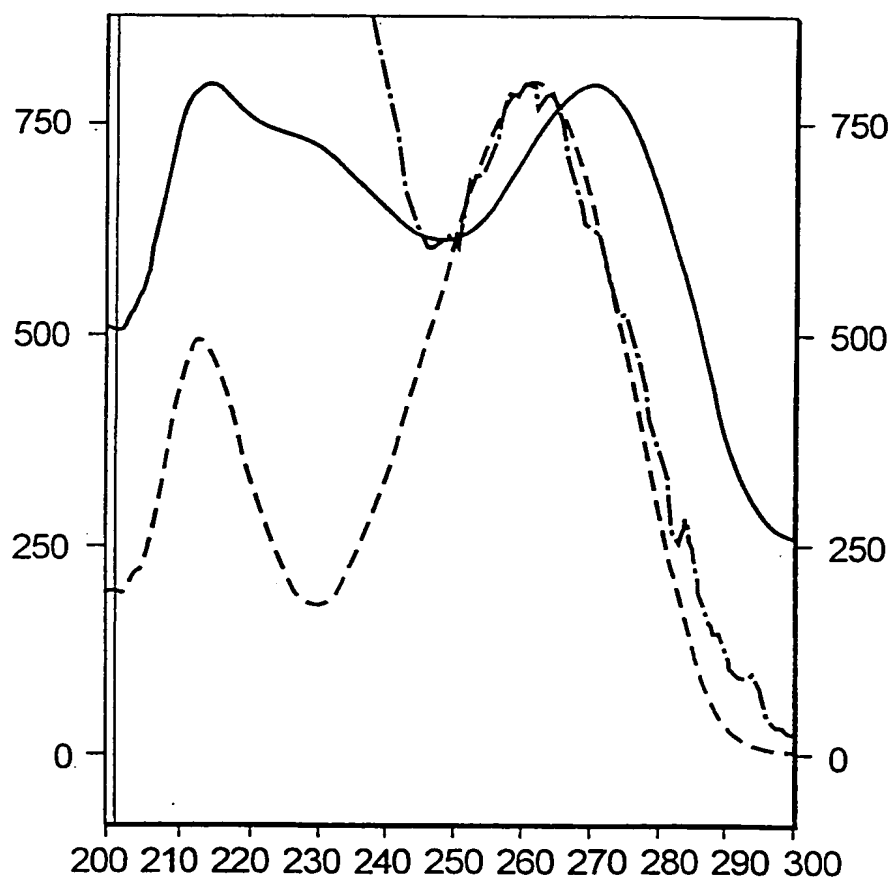
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**FIG. 19**

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**FIG. 20A****FIG. 20B**

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**FIG. 20C****FIG. 20D**

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[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13
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FIG. 21

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Pfu Pol			Pfu Pol + PEF		Taq Pol	
NO	Pmole CONTROL OLIGO	Pmole dU OLIGO	Pmole dU OLIGO		Pmole dU OLIGO	
PEF	16 8 1.6 0.8 0.16 M 0.08	0.016	16 8 1.6 0.8 0.16 0.08	0.016	16 8 1.6 0.8	0.16
- +						> 0.08

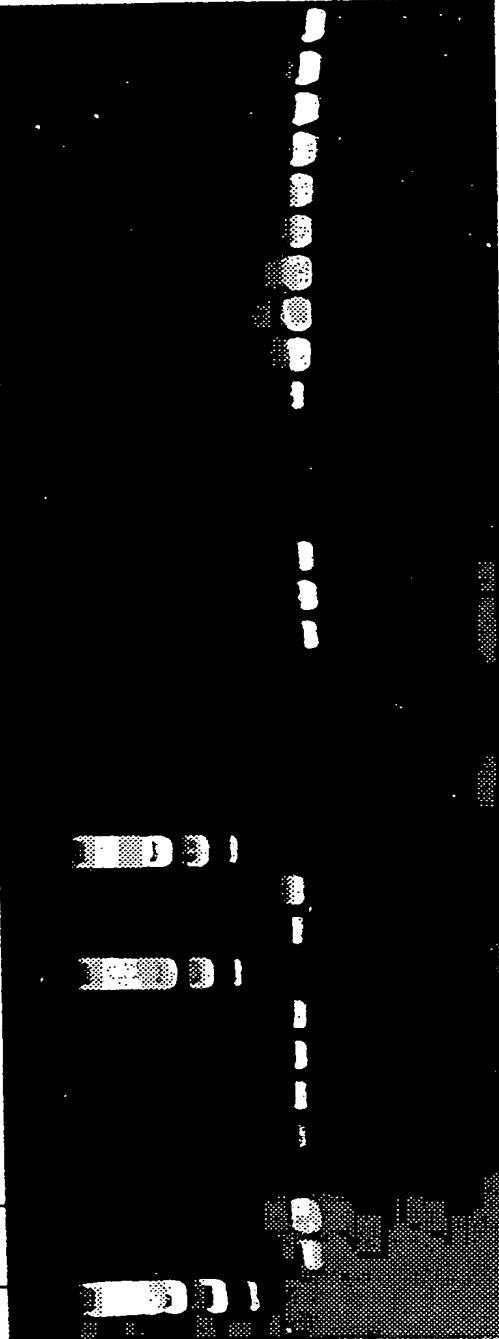


FIG. 22

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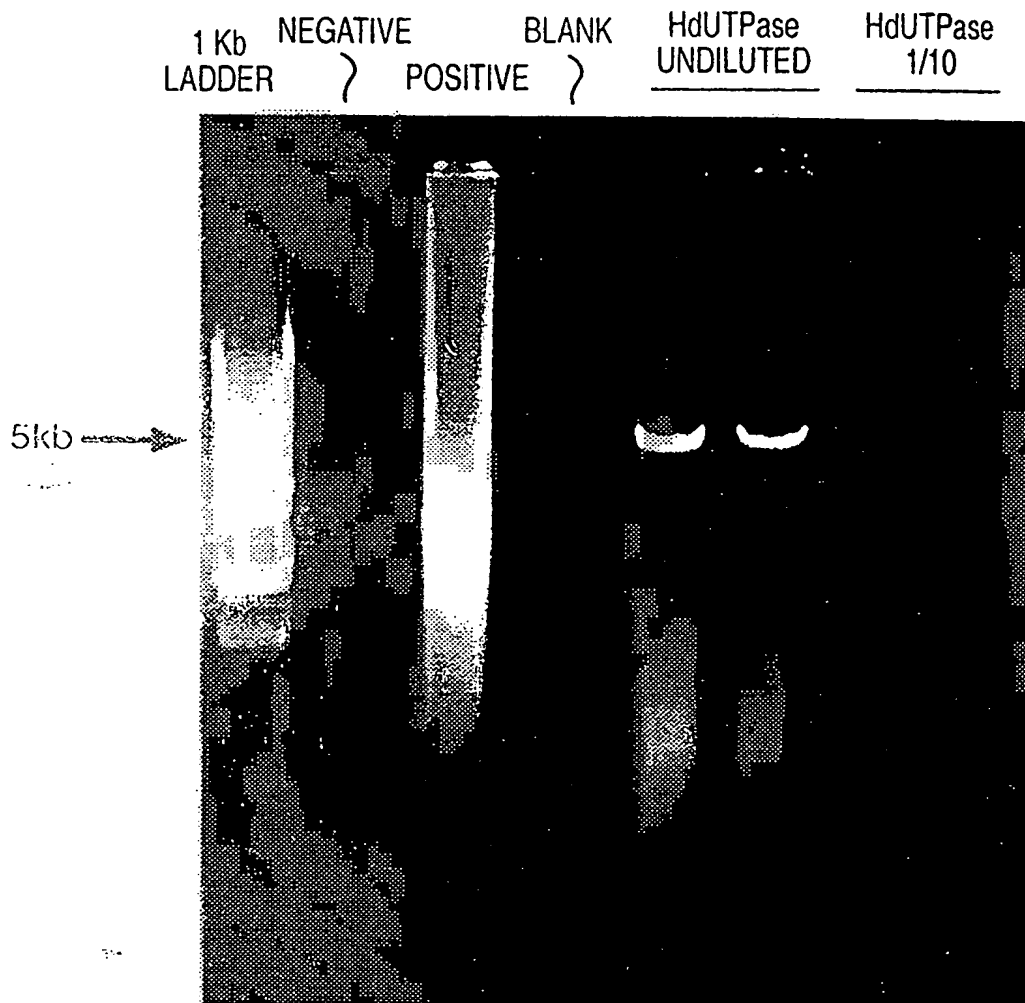


FIG. 23

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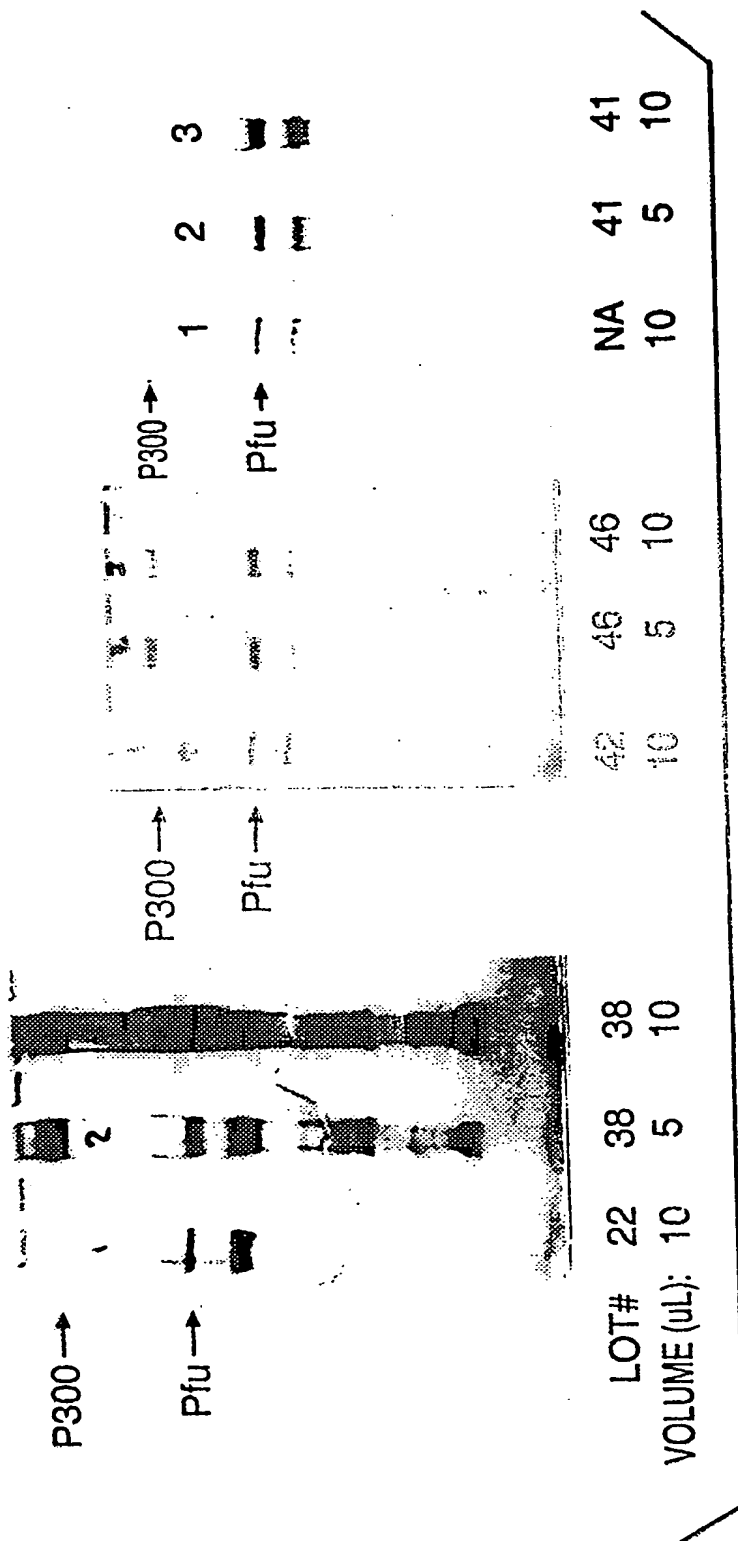


FIG. 24

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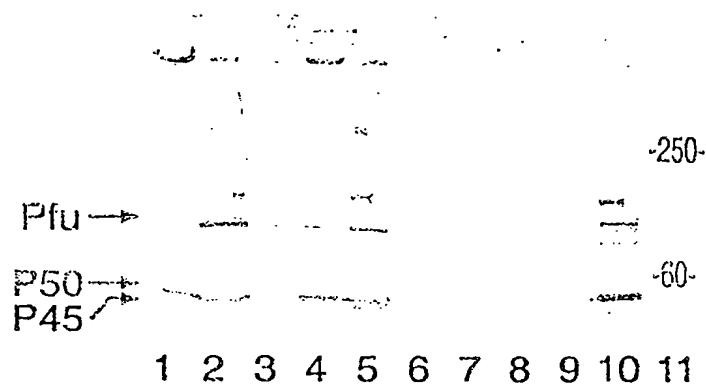
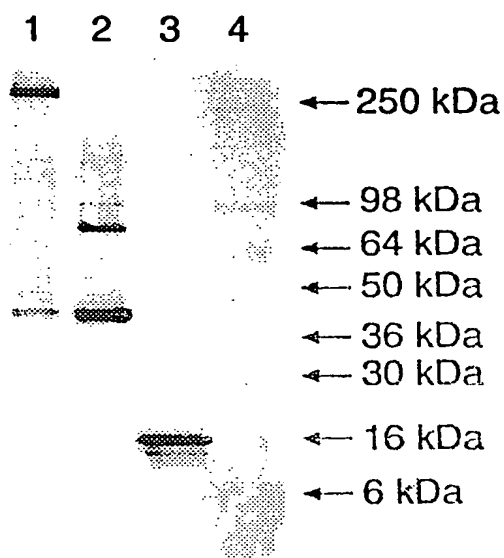


FIG. 25

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**FIG. 26**

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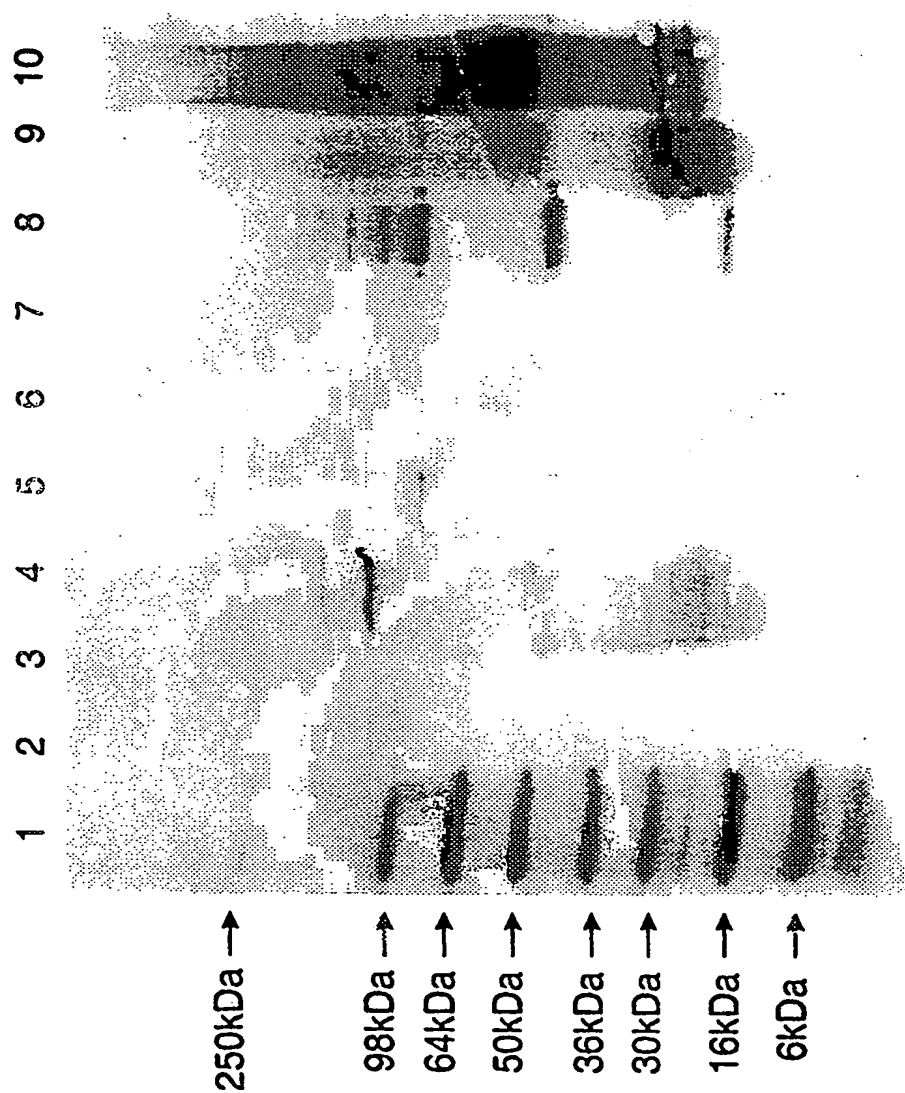


FIG. 27

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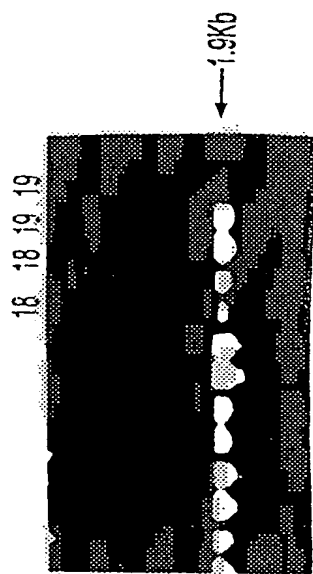
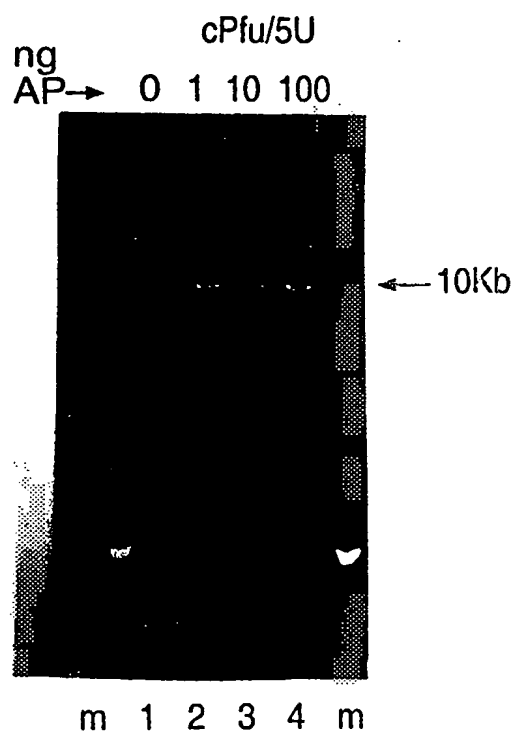


FIG. 28

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**FIG. 29**

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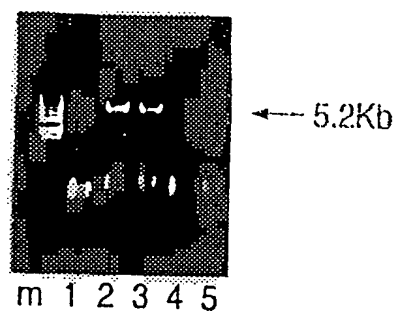


FIG. 30

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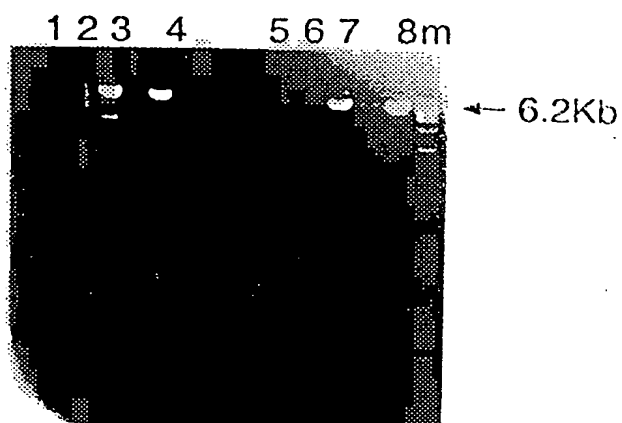


FIG. 31

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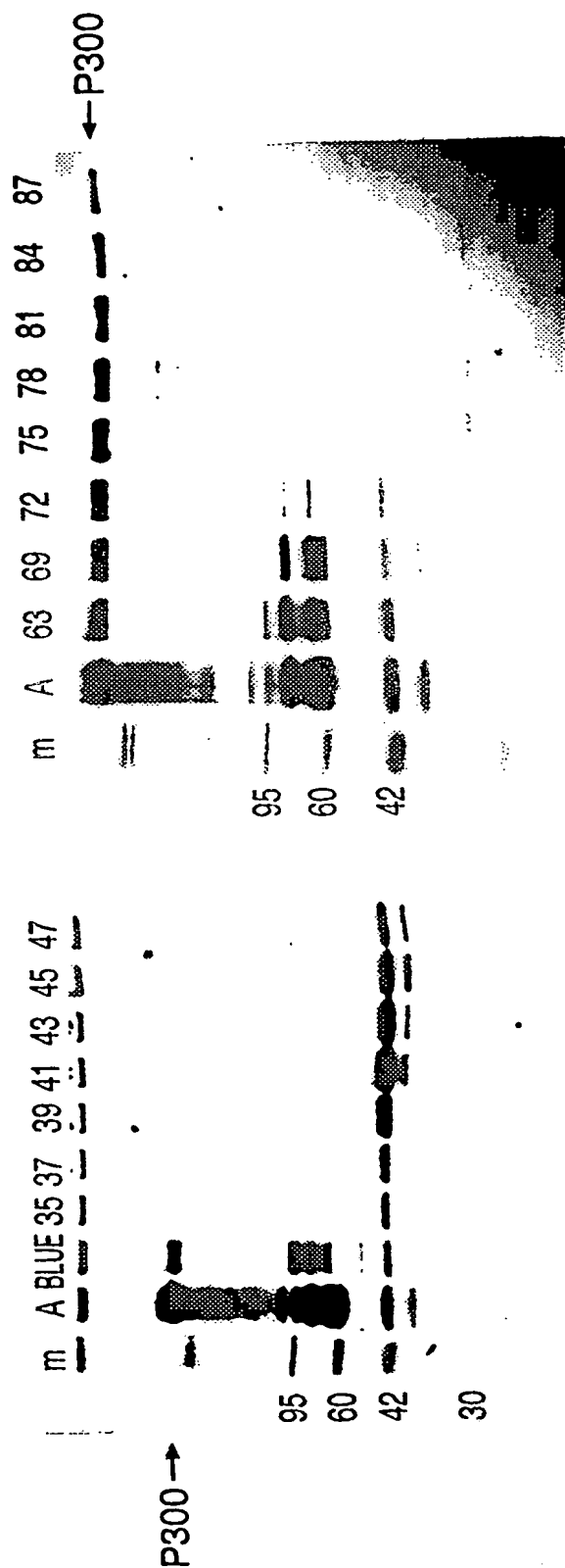


FIG. 32A

FIG. 32B

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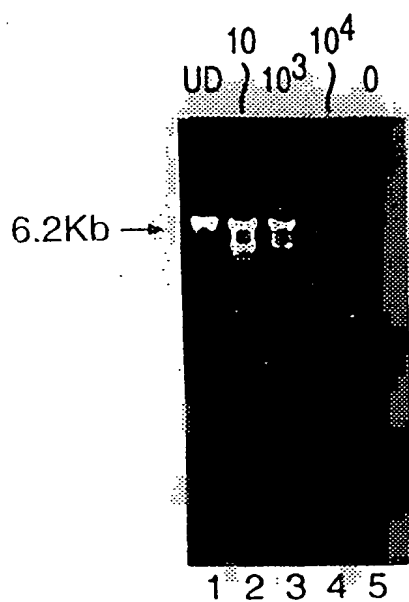


FIG. 33

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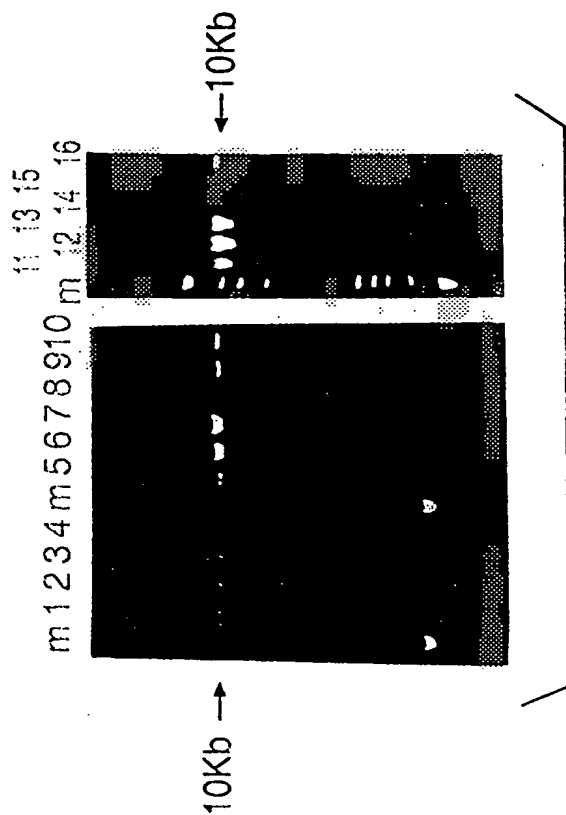
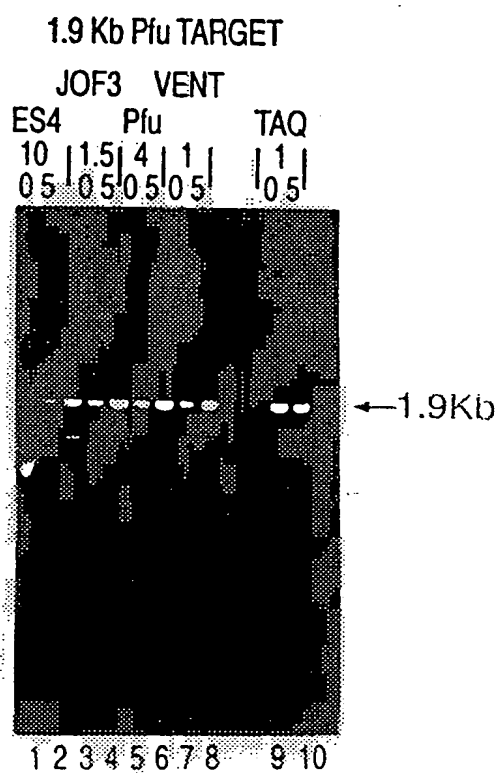


FIG. 34

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**FIG. 35**

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DEEP VENT USING 0.75u

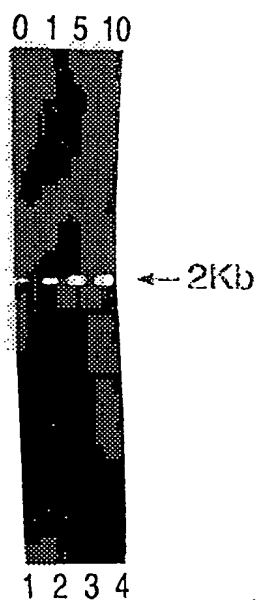


FIG. 36

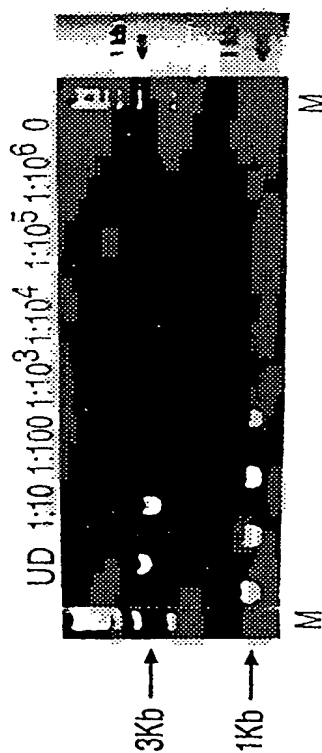


FIG. 37

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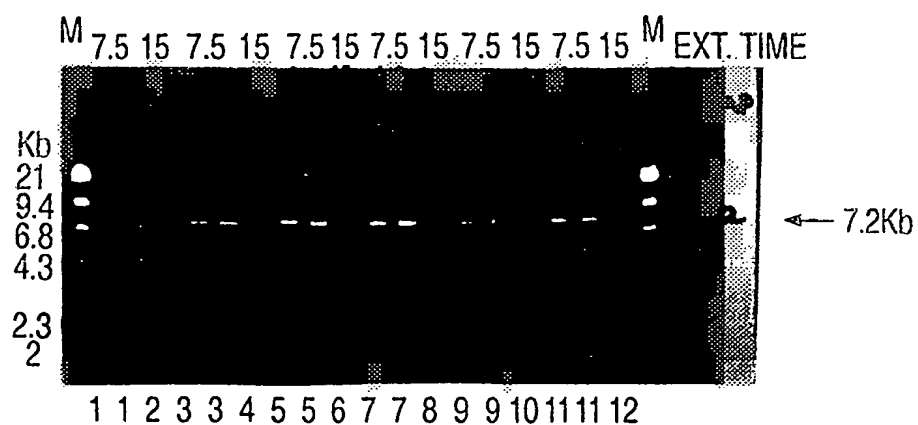


FIG. 38

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Pfu "PCR ENHANCER" IN QUICKCHANGE MUTAGENESIS

LINEAR AMPLIFICATION CONDITIONS				TRANSFORMATION RESULTS	
<u>POL.</u>	<u>BUFFER</u>	<u>H.S. #75</u>	<u>AMPL. PROD.</u>	<u>#cfu</u>	<u>%MUTANTS</u>
nPfu (#38)	nPfu	0	+	84	95
		1 μ l	\pm	47	87
		.1 μ l	+	154	97
		.01 μ l	++	632	95
		.001 μ l	+	484	94
nPfu (#24A)	nPfu	0	+	94	89
		1 μ l	+	34	85
		.1 μ l	+	173	91
		.01 μ l	++	468	96
		.001 μ l	+	230	90

FIG. 39

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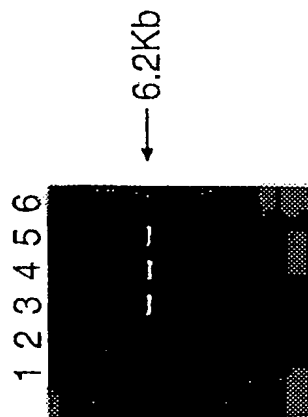


FIG. 40

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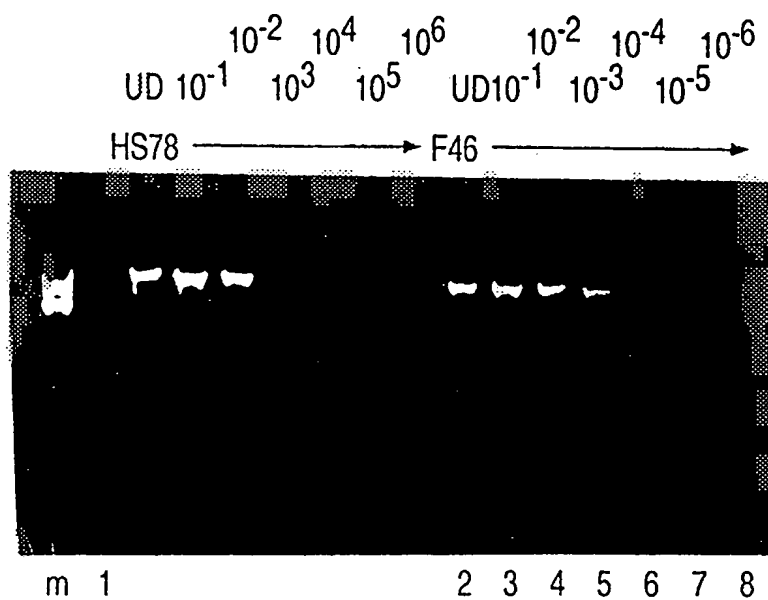


FIG. 41

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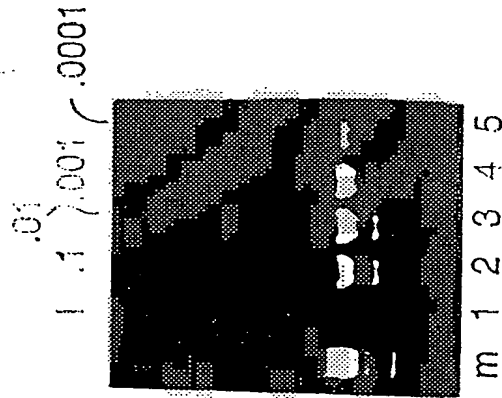


FIG. 42

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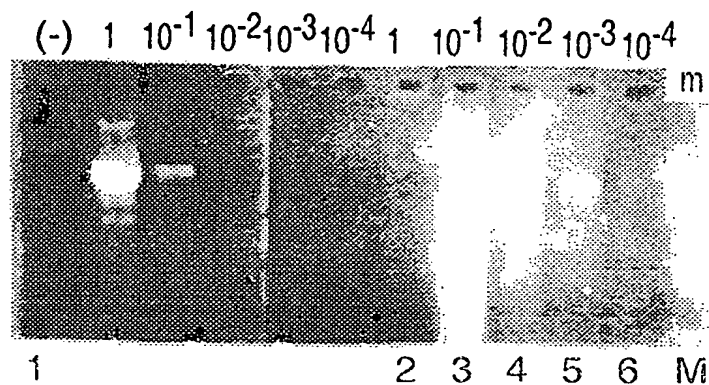


FIG. 43

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FIG. 44B

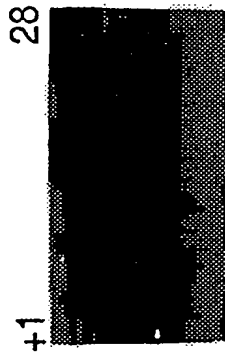


FIG. 44A

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